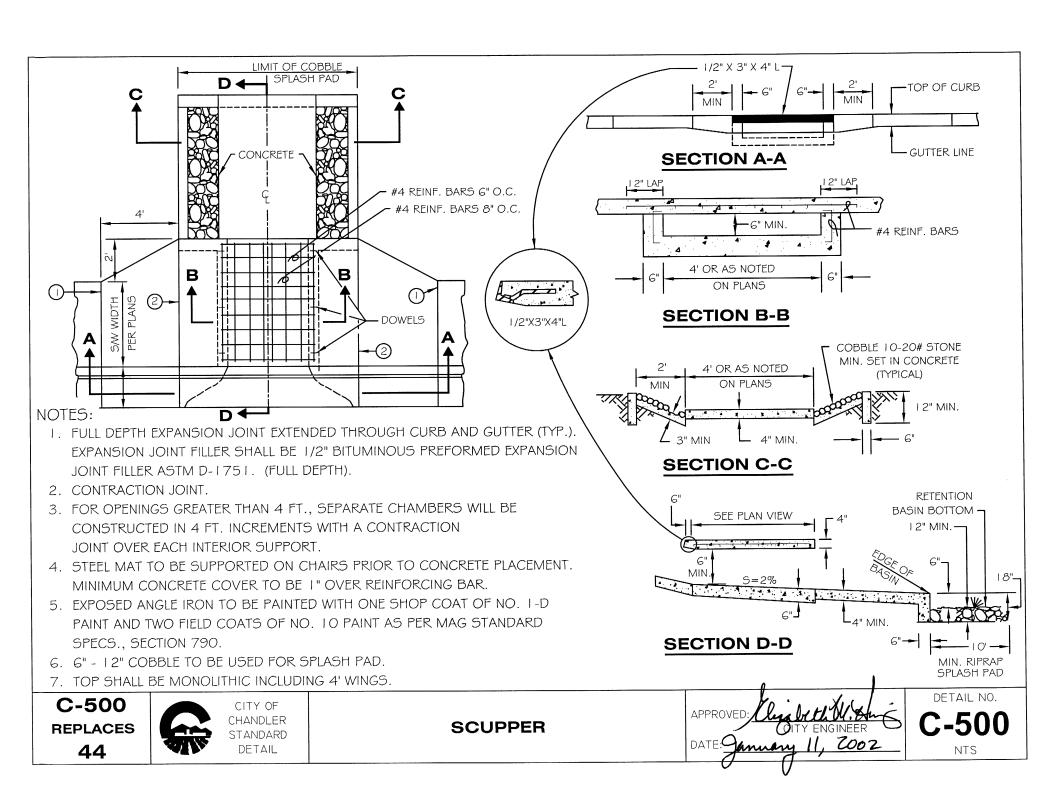
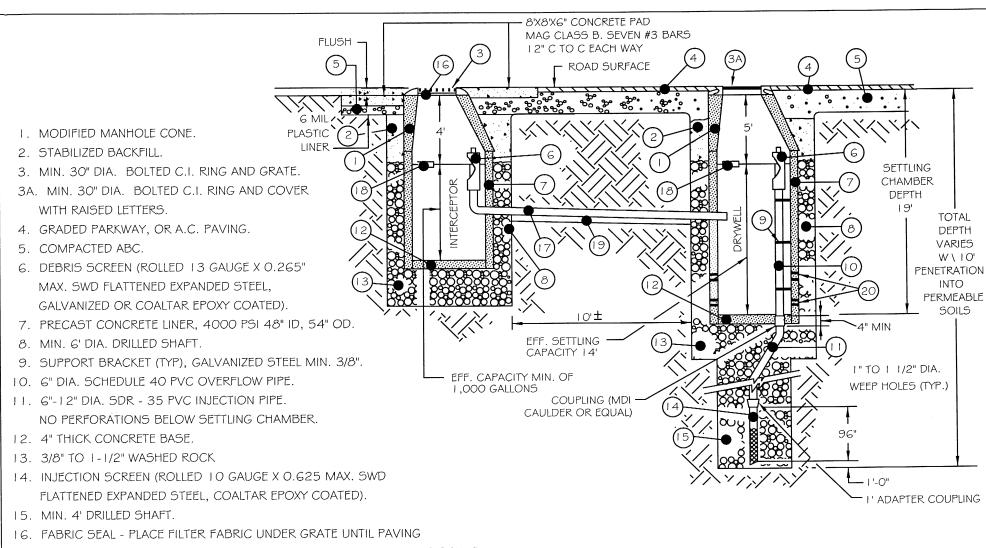
STORM SEWER & DRAINAGE SERIES C-500 TO C-507





AND/OR LANDSCAPING IS COMPLETE. (FILTER FABRIC TO BE UV RESISTANT)

- 17. 4" DIA. CONNECTOR PIPE W/ FLOW REGULATOR.
- 18. MIN. 4 QUART CAPACITY ABSORBENT.
- 19. SLURRY BACKFILL.

20. 8 PERFORATIONS PER LINEAR FOOT FOR BOTTOM 3 FEET OF CHAMBER.

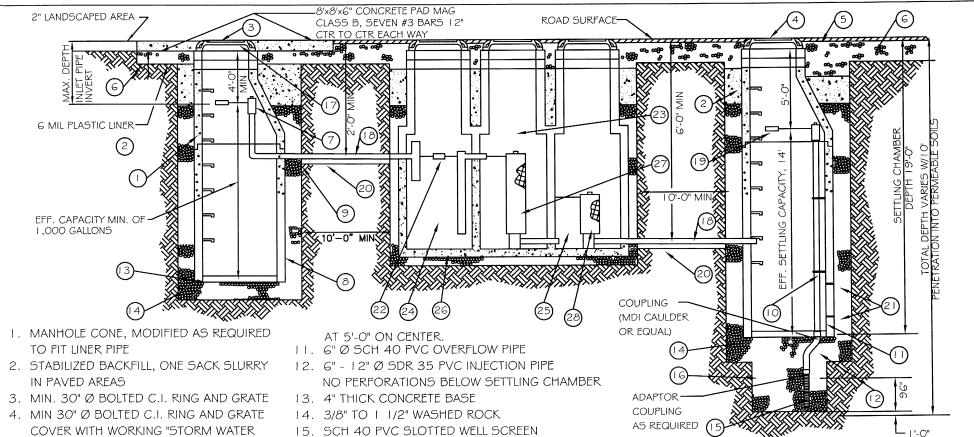
C-501 **REPLACES** 43



DRY WELL SYSTEM DETAIL AND SPECIFICATIONS

BASIC DESIGN COURTESY OF MCGUCKIN DRILLING, INC.

DETAIL NO.



- ONLY" IN RAISED LETTERS
- 5. GRADED BASIN OR PAVING
- 6. COMPACTED ABC
- 7. DEBRIS SCREEN (ROLLED 16 GUAGE x 24" LENGTH x 0.265" MAX SWD FLATTENED EXPANDED STEEL, GALVANIZED OR COALTAR EPOXY COATED)
- 8. PRECAST CONCRETE LINER RING, 4000 PSI 48" ID. 54" OD
- 9. MIN 6" DRILLED SHAFT
- 10. SUPPORT BRACKET (TYP) STEEL FUSION BONDED EPOXY COATED STEEL, MIN 3/8"

- 16. MIN 4' Ø DRILLED SHAFT
- 17. TEMPORARY FABRIC SEAL PLACE FILTER FABRIC UNDER GRATE UNTIL PAVING AND/OR LANDSCAPING IS COMPLETE (FILTER FABRIC TO BE UV RESISTANT)
- 18. 4" Ø CONNECTOR PIPE W/FLOW REGULATOR
- 19. MIN 4 QT CAPACITY HYDROPHOBIC PETROCHEMICAL ABSORBENT PER ADEQ REQUIREMENTS. (TYP)
- 20. SLURRY BACKFILL
- 21. 8 PERFORATIONS PER LINEAR FOOT FOR BOTTOM 3 FEET OF CHAMBER
- 22. ABSORBENT HYDROPHOBIC IMBIBER SPONGE, MIN. 100 OZ. CAPACITY

- 23. FILTRATION CHAMBER MIN 500 GAL. CAPACITY
- 24 PRIMARY SEPARATOR CHAMBER MIN 500 GAL. CAPACITY
- 25. IMBIBATION CHAMBER MIN 500 GAL. CAPACITY
- 26. TREATMENT INTERCEPTOR MIN 1500 GAL TOTAL CAPACITY
- 27. SALT FILTER MIN 1800 S.I. POLYPROPYLENE FABRIC MESH
- 28. PUREFLO II ASSEMBLY HYDROPHOBIC IMBIBER BEAD DRAIN FIELD

STEM BY MC GUCKIN DRILLING, INC.

DETAIL NO.

C-502

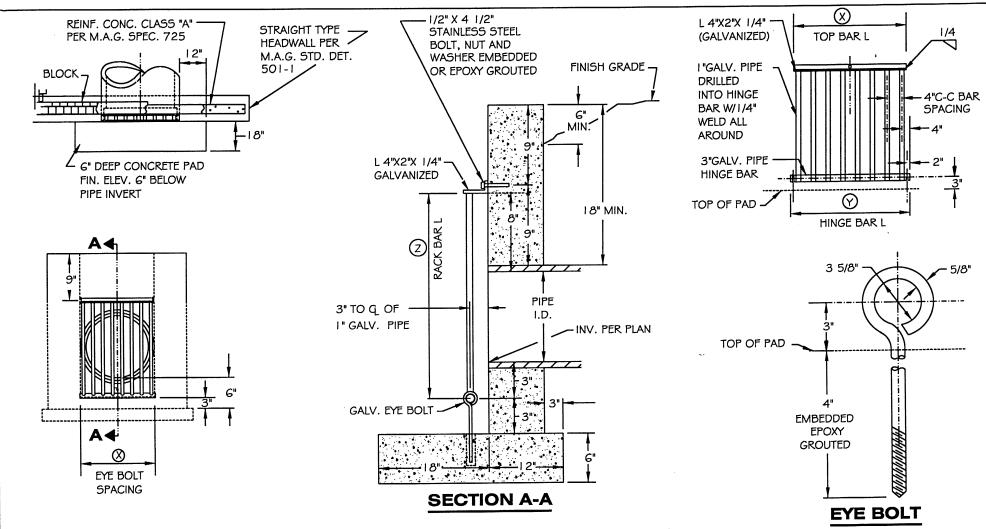
NTS



CITY OF CHANDLER STANDARD DETAIL

DRY WELL SYSTEM

DETAIL NO.



TYPICAL DIMENSIONS							
TYPE	PIPE DIA.	NO. OF BARS	DIMENSIONS				
		(I.D./4*+ I")	X	Υ	Z		
Α	15"	5	21"	25"	26".		
	18"	6	25"	29"	29"		

^{*} ROUND UP TO NEXT FULL NUMBER

ſ		OTHER BAR SIZES		
Ī	SIONS	X =	(# BARS X 4") + 1"	
ı	EN	Y =	X + 4"	
	ğ	Z =	I.D.+ 3"+ 8" (UP TO 4' 0)	

NOTES:

- 1. THIS DETAIL IS APPLICABLE AT ALL OPEN ENDS OF PIPE 12" OR MORE IN DIAMETER.
- 2. COAT ALL WELD AREAS WITH ZINC RICH PAINT.
- 3. DESIGN ENGINEER TO PROVIDE DETAILS FOR PIPE I.D.'S GREATER THAN 4' IN DIAMETER.

DETAIL NO.

C-503



CITY OF CHANDLER STANDARD DETAIL

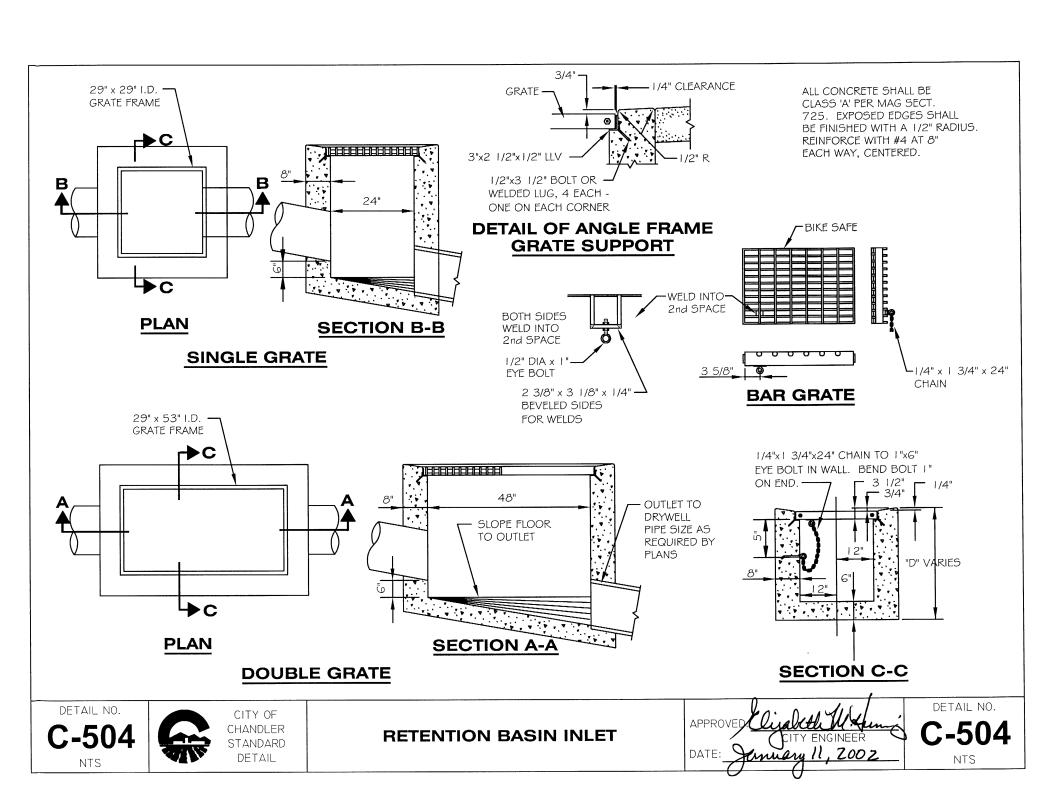
TRASH RACK/ACCESS BARRIER

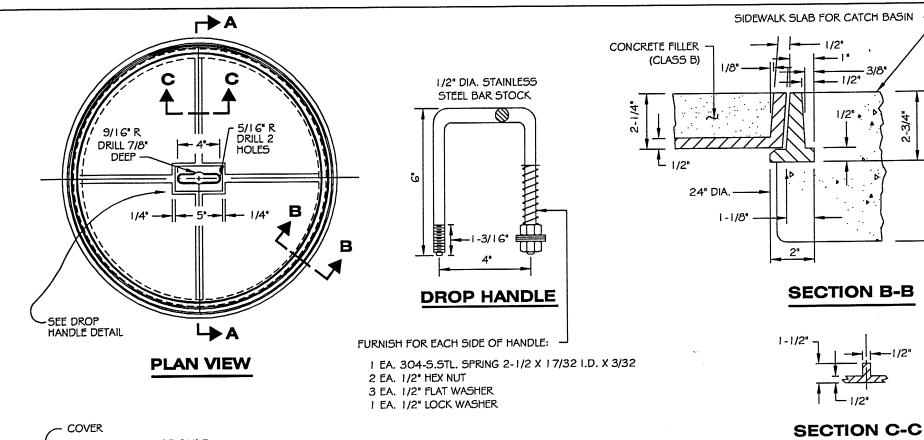
APPROVED: ATY ENGINEER
DATE: 11-19-99

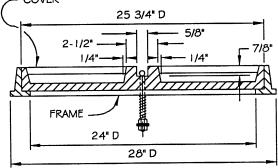
DETAIL NO.

C-503

NTS







SECTION A-A

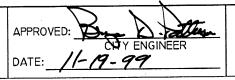
NOTES:

- I. FRAME SHALL BE NON-LOCKING.
- 2. FRAME AND COVER SHALL BE CAST IRON OR ASTM A-36 STRL. HORIZONTAL SURFACE OF COVER IN CONTACT WITH FRAME SHALL BE MACHINED, ASA B-46 ROUGHNESS SHALL NOT EXCEED 1/32 INCH.
- 3. COVER SHALL BE FILLED WITH CONCRETE AND BROOM FINISHED.
- 4. SMALL VARIATIONS IN DIMENSIONS OF FEATURES OF A MINOR NATURE THAT ARE PART OF THE FOUNDRY'S CASTING ARE PERMISSIBLE.

C-505 REPLACES 117



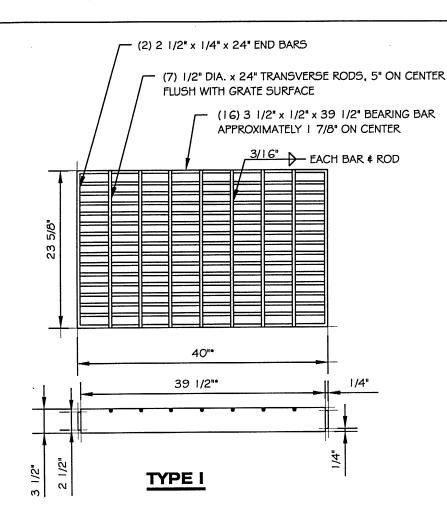
CATCH BASIN ACCESS FRAME AND COVER



DETAIL NO.

2-3/4"

C-505



 DIMENSION WILL VARY DEPENDING UPON CATCH BASIN PIPE SIZE.

NOTES:

- 1. ALL STEEL SHALL BE IN ACCORDANCE WITH ASTM A-36.
- 2. WELDING SHALL BE IN ACCORDANCE WITH AWS SPECIFICATIONS.
- 3. FRAME AND GRATE SHALL BE TESTED FOR ACCURACY OF FIT AND SHALL BE MARKED IN SETS BEFORE DELIVERY.
- 4. THE COMPLETED ASSEMBLY SHALL BE GIVEN ONE SHOP COAT OF NO. I PAINT AND TWO FIELD COATS OF NO. I O PAINT AS PER MAG SECTION 790.
- 5. THE GRATE SHALL BE FABRICATED TO WITHIN 1/8" OF SPECIFIED DIMENSIONS.

C-506

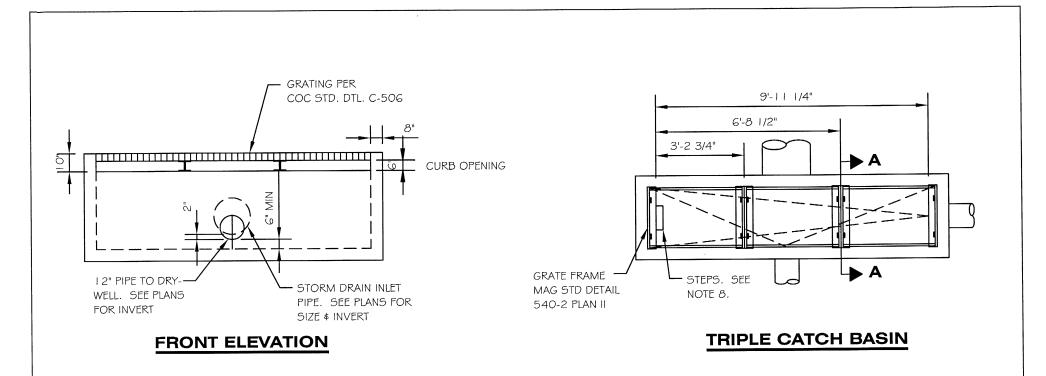


CATCH BASIN GRATES

APPROVED: CATY ENGINEER

C-506

NTS



NOTES:

- I. ALL CONCRETE SHALL BE M.A.G. CLASS 'A'.
- 2. CONNECTOR PIPES MAY BE PLACED IN ANY WALL AS PER PLAN.
- 3. FLOOR BASIN SHALL BE TROWELLED TO A HARD, SMOOTH SURFACE AND SHALL SLOPE FROM ALL DIRECTIONS TO OUTLET.
- 4. CONNECTOR PIPE SHALL BE TRIMMED TO THE FINAL SHAPE AND LENGTH BEFORE CONCRETE IS POURED.
- 5. PLANS SHOULD SPECIFY GRATE ELEVATION AND INVERT ELEVATION.
- 6. RETENTION BASIN INLET MAY BE PREFABRICATED PROVIDING A SHOP DRAWING IS APPROVED BY THE ENGINEER PRIOR TO FABRICATION.
- 7. THE FRAME SHALL BE MAG STD DETAIL 540-2, PLAN II, GRATE PER CHANDLER DET. #C-506.

C-507



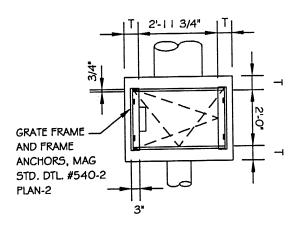
BELOW GRADE RETENTION BASIN INLET (BUBBLER BOX)

APPROVED Liebthby Hungineer

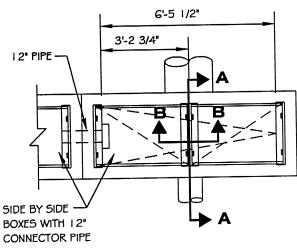
DATE: Juniary 11, 2002

DETAIL NO. C-507

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SINGLE CATCH BASIN



DOUBLE CATCH BASIN

NOTES: (CON'T)

- 8. STEPS (MAG DET. 428 POLYPROPYLENE)

 V = 3' (INCL) PLACE ONE STEP 12" ABOVE

 THE FLOOR OF THE BASIN. V OVER 3',

 PLACE STEPS AT 12" INTERVALS FROM

 THE FLOOR OF THE BASIN WITH THE TOP'

 STEP AT 12" (MIN) BELOW THE TOP OF GRATE.
- 9. ALL EXPOSED METAL HARDWARE SHALL BE GIVEN ONE SHOP COAT OF NO. I PAINT AND 2 FIELD COATS OF NO. I O PAINT AS PER M.A.G. SECTION 790.
- 10. ALL METAL UNITS SHALL BE FABRICATED FROM STRUCTURAL STEEL EXCEPT AS NOTED. STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH ASTM A-36.
- II. WELDING SHALL BE IN ACCORDANCE WITH MAG WELDING SPECIFICATIONS.

DETAIL NO.

C-507

NTS

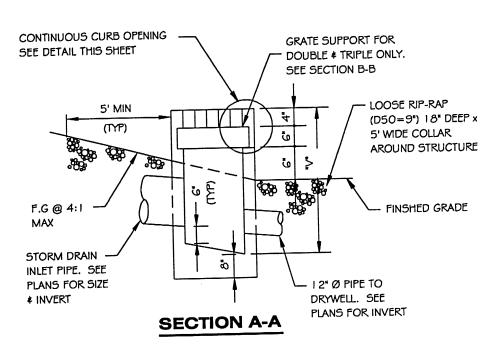


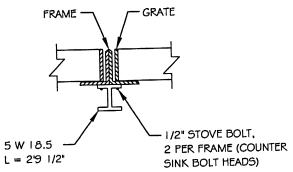
BELOW GRADE RETENTION BASIN INLET (BUBBLER BOX)

APPROVED: CATY ENGINEER

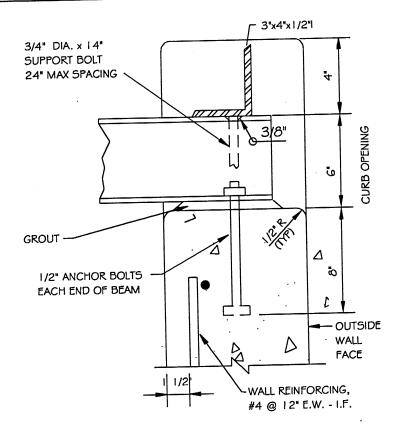
DETAIL NO.

PAGE 2 OF 3





SECTION B-B



INLET CURB OPENING

CATCH BASIN WALL THICKNESS

T = 8" IF V IS UP TO 8'

(IF V EXCEEDS 8', SPECIAL DESIGN IS REQUIRED)

V = 3'-0" UNLESS OTHERWISE NOTED

DETAIL NO.

C-507



BELOW GRADE RETENTION BASIN INLET (BUBBLER BOX)

APPROVED:

By ENGINEER

DETAIL NO.

C-507

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